

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/016276

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C12N5/08 C12N5/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	KAWAHARA H: "Supercell: the key to producing human proteins for industrial use" Online! June 2004 (2004-06), XP002315986 Retrieved from the Internet: URL: <a href="http://www.bioinfodesign.net/consul/Supercell_Bio2004.pdf">http://www.bioinfodesign.net/consul/Supercell_Bio2004.pdf</a> the whole document	1-21
X	WO 03/051720 A2 (CENTOCOR, INC) 26 June 2003 (2003-06-26) pages 6,8-11; example 1	1-21
X	WO 03/052064 A2 (CENTOCOR INC) 26 June 2003 (2003-06-26) pages 2,6-12; example 1	1-21

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

22 February 2005

Date of mailing of the international search report

04/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax (+31-70) 340-3016

Authorized officer

van Heusden, M

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03051720	A2	26-06-2003	AU 2002351357 A1	30-06-2003
			US 2003166146 A1	04-09-2003
			US 2004152170 A1	05-08-2004
WO 03052064	A2	26-06-2003	AU 2002362130 A1	30-06-2003
			CA 2470026 A1	26-06-2003
			EP 1490481 A2	29-12-2004
			US 2003166147 A1	04-09-2003

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference Y04S012PCT	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/JP2004/016276	International filing date (day/month/year) 27/10/2004	(Earliest) Priority Date (day/month/year) 01/03/2004
Applicant  KITAKYUSHU FOUNDATION FOR THE ADVANCEMENT OF ...		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

HUMAN CELL STRAINS FOR PROTEIN PRODUCTION, PROVIDED BY SELECTING STRAINS WITH HIGH INTRACELLULAR PROTEIN AND MUTATING WITH CARCINOGENS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

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 Fax: (+31-70) 340-3016

Authorized officer

van Heusden, M

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		US 2004152170 A1	05-08-2004
WO 03052064	A2	26-06-2003	
		AU 2002362130 A1	30-06-2003
		CA 2470026 A1	26-06-2003
		EP 1490481 A2	29-12-2004
		US 2003166147 A1	04-09-2003

0-1	Form PCT/RO/134 (SAFE) Indications Relating to Deposited Microorganism(s) or Other Biological Material (PCT Rule 13bis)	
0-1-1	Prepared Using	PCT-SAFE [EASY model] Version 3.50 (Build 0002.162)
0-2	International Application No.	PCT/JP2004/016276
0-3	Applicant's or agent's file reference	Y04S012PCT

1	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
1-1	page	8
1-2	line	10-16
1-3	Identification of deposit	
1-3-1	Name of depositary institution	IPOD International Patent Organism Depositary (IPOD), National Institute of Advanced Industrial Scien
1-3-2	Address of depositary institution	AIST Tsukuba Central 6, 1-1, Higashi 1-chome Tsukuba-shi, Ibaraki-ken 305-8566 Japan
1-3-3	Date of deposit	28 July 2004 (28.07.2004)
1-3-4	Accession Number	IPOD FERM BP-10077
1-4	Additional Indications	SC-01MFP
1-5	Designated States for Which Indications are Made	all designations
2	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
2-1	page	8
2-2	line	16-21
2-3	Identification of deposit	
2-3-1	Name of depositary institution	IPOD International Patent Organism Depositary (IPOD), National Institute of Advanced Industrial Scien
2-3-2	Address of depositary institution	AIST Tsukuba Central 6, 1-1, Higashi 1-chome Tsukuba-shi, Ibaraki-ken 305-8566 Japan
2-3-3	Date of deposit	28 July 2004 (28.07.2004)
2-3-4	Accession Number	IPOD FERM BP-10078
2-4	Additional Indications	SC-02MFP
2-5	Designated States for Which Indications are Made	all designations

## FOR RECEIVING OFFICE USE ONLY

0-4	This form was received with the international application: (yes or no)	✓
0-4-1	Authorized officer	江橋 美雪

## FOR INTERNATIONAL BUREAU USE ONLY

0-5	This form was received by the International Bureau on:	18 NOV 2005
0-5-1	Authorized officer	小山 曉子